

DESCRIPTION

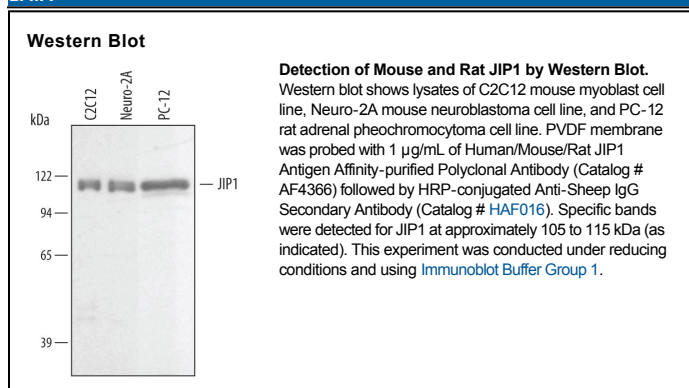
Species Reactivity	Human/Mouse/Rat
Specificity	Detects endogenous human, mouse, and rat JIP1 in Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human JIP1 Met531-Asp666 Accession # Q6NUQ9
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

JNK-interacting proteins (JIPs) comprise a family of four scaffolding proteins that tether and assemble components of the JNK signaling cascade. JIP1, also known as islet-brain 1 (IB1) and mitogen-activated protein kinase 8-interacting protein 1 (MAPK8IP1), contains an N-terminal JNK-binding domain, and C-terminal MLK- and MKK7-binding domains. JIP1 is ubiquitously expressed, with highest levels in brain and in pancreatic β-cells. Mice lacking JIP1 are resistant to diet-induced obesity and show reduced diet-induced insulin resistance.